

RANDY C. JANKE

NNSA Office of Los Alamos Site Operations
528 35th Street, Los Alamos, NM 87544

CAREER SUMMARY

An engineering professional, Safety Analyst, and Project/Program Manager
with demonstrated competencies in:

- Nuclear Safety Analysis • Hazard/Accident Analysis • Probabilistic Risk Assessment
- Transport Analysis • Statistical Analysis • Quality Assurance/Control
- Project / Program Management • Oral and Written Communications

PROFESSIONAL ACCOMPLISHMENTS

Nuclear Safety / Risk Assessment

- Performed hazard, safety, and risk analyses for nuclear, chemical, and environmental facilities
- Served as DOE Team Leader for a variety of assessments including Safety Basis Reviews, Composite Analysis Reviews and Operational Readiness Reviews.
- Evaluated Unreviewed Safety Question Determinations (USQDs) related to nuclear material at DOE facility and evaluated Nuclear Criticality Safety Analyses using a variety of computer models.
- Conducted reviews of NRC licensed facilities in the areas of structural integrity, safety response, design criteria and training programs.

Project/Program Management

- Successfully managed a six year, \$68 million dollar Nuclear Materials Disposition project at Department of Energy (DOE) facility. Project involved the planning and execution for transfer of 3,800 metric tons of uranium products from one DOE site to another and the final disposition of more than 1,250 metric tons of uranium waste.
- Effectively managed Remedial Investigation/Feasibility Study activities at a DOE environmental restoration facility where responsibilities included cost estimation, schedule development, and variance analysis.

Engineering/Technical

- Performed numerous statistical analyses to support the evaluation of the performance of regulated landfills, remedial actions, and quality control activities.
 - Performed risk and safety assessments for process facilities, nuclear material handling and packaging projects, soil remediation, and groundwater contamination.
 - Conducted remedial Design and Remedial Action activities associated with environmental restoration projects including the development of removal actions and removal site evaluations.
 - Evaluated the environmental transport of radionuclides in air, soil and water for government facilities in order to determine current and future exposure potential from environmental contamination.
 - Conducted numerous training sessions for DOE employees, federal contractors and graduate and undergraduate students. Courses include Risk Management, Nuclear and System Safety Integrated Safety Management, Radiation Safety and nuclear physics fundamentals, Hazard and Safety Analysis and Technical Safety Requirements and Unreviewed Safety Questions.
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Papers and Presentations

- Developed over 20 technical papers, reports and presentations. Recent examples include:
 - “Statistical Analysis of Groundwater Data RCRA and Waste Landfills”, March 23, 2000.
 - “Evaluation of Exposure to Radon at a SUPERFUND Site,” August 16, 1995.
 - “Methodology For Conducting A Performance Assessment Of An Engineered Disposal Facility,” September 1991.
 - “Development of Environmental ALARA Methodology for Assessing a Soil Remedial Action,” June 1990.

EMPLOYMENT HISTORY

USDOE / National Nuclear Security Administration Safety Analyst	January 2002
U.S. Department of Energy, Fernald, OH Environmental Engineer	1992 – 1/2002
RCJ Consulting, Hamilton, OH Engineering Consultant	1986 – Present
Advanced sciences Inc., Ross, OH Deputy Manager	1991 – 1992
University of Cincinnati, Cincinnati, OH Adjunct assistant Professor of Nuclear Engineering / Research Associate	1989 – 1992
Westinghouse Environmental Management Company, Fernald, Ohio Senior Engineer	1990 – 1991
Science Applications International Corporation, Los Altos, California Staff Scientist	1985 – 1986
U.S. Nuclear Regulatory Commission, Glenn Ellyn, Illinois Assistant Inspector - Intern	1981 – 1983

EDUCATION

Master of Science - Nuclear Engineering
University of Cincinnati, August, 1989
Bachelor of Science - Nuclear Engineering
University of Cincinnati, June, 1984